

## State Water Resources Control Board

### UST CASE CLOSURE SUMMARY

#### Agency Information

Agency Name: Los Angeles Regional Water Quality Control Board	Address: 320 West 4 <sup>th</sup> Street, Suite 200 Los Angeles, CA 90013
Agency Caseworker: Mr. Joe Luera	Case No.: I-12081A

#### Case Information

USTCF Claim No.: None	Global ID: T0603766299
Site Name: G&M Oil Company Station #100	Site Address: 777 North Glendora Avenue La Puente, CA 91744 (Site)
Responsible Party: G&M Oil Company Attention: Ms. Jennifer Talbert	Address: 16868 A Street Huntington Beach, CA 92647
USTCF Expenditures to Date: N/A	Number of Years Case Open: 13

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603766299](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603766299)

#### Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

The release at the Site was discovered in January 2002. Petroleum constituents were identified in soil samples collected during underground storage tank (UST), fuel dispenser, and pipeline upgrade activities. The three gasoline USTs remain on-site. Exploratory borings were constructed to a maximum depth of 55 feet below ground surface (bgs) in May 2007 and December 2008. Low concentrations of petroleum constituents were identified in the soil samples. The Site is operated as an active fueling facility.

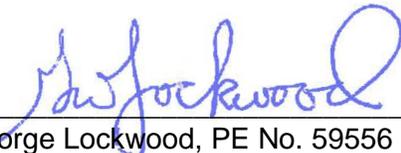
Groundwater was not encountered during subsurface investigations at the Site. Groundwater is estimated to occur between 60 to 70 feet bgs. The nearest existing public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the conceptual site model. Residual fuel constituents pose a low risk to human health, safety, and the environment.

**Rationale for Closure under the Policy**

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets the **EXCEPTION**. The Site is operated as an active fueling facility. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION 3 (a)**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1 of the Policy. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

**Recommendation for Closure**

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.



George Lockwood, PE No. 59556  
Senior Water Resource Control Engineer

3/17/2015

Date

